

WHAT IS CLAIMED IS:

1. A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub arranged at a substantial center of said flange, and an insert
5 portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:
 - a stationary side mold;
 - a movable side mold; and
 - a cavity formed between said stationary side mold and
10 said movable side mold;
 - said cavity, including:
 - an insert attaching portion for attaching said insert
portion by an insert molding;
 - a flange forming portion for forming said flange; and
15 a hub forming portion for forming said hub;
 - wherein in a molding surface at a side of said hub forming portion of said flange forming portion, a dimension of a circular area over from a root end of said hub forming portion to a substantially intermediate portion between said
20 root end and a circumferential end of said flange forming portion, is corrected in view of deformation upon molding.
2. A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub
25 arranged at a substantial center of said flange, and an insert portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:

a stationary side mold;
a movable side mold; and
a cavity formed between said stationary side mold and
said movable side mold;

5 said cavity, including:

an insert attaching portion for attaching said insert
portion by an insert molding;

a flange forming portion for forming said flange; and

a hub forming portion for forming said hub;

10 wherein in a molding surface at a side of said hub
forming portion of said flange forming portion, a dimension
of a circular area over from a root end of said hub forming
portion to a substantially intermediate portion between said
root end and a circumferential end of said flange forming
15 portion, is corrected, so that height from a reference
position at a side of said insert portion is set to be larger
than the dimension before correction of said dimension.

3. The molding mold according to Claim 1 or 2, wherein
20 an amount of correction of the dimension in said circular
area is changed so that the amount in said root end is larger
whereas the amount in said substantially intermediate portion
is smaller.

25 The molding mold according to Claim 2, wherein said height
in said substantially intermediate portion is substantially
as same as the height before correction of said dimension

of said circular area.

5. A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub arranged at a substantial center of said flange, and an insert portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:
- a stationary side mold;
 - a movable side mold; and
 - a cavity formed between said stationary side mold and said movable side mold;
 - said cavity, including:
 - an insert attaching portion for attaching said insert portion by an insert molding;
 - a flange forming portion for forming said flange; and
 - a hub forming portion for forming said hub;
- wherein in a molding surface at a side of said hub forming portion of said flange forming portion, in a circular area over from a root end of said hub forming portion to a substantially intermediate portion between said root end and a circumferential end of said flange forming portion, height from a reference position at a side of said insert portion is gradually reduced from the root end to the circumferential end so that a degree of its reduction is large as compared with that of reduction from said substantially intermediate portion to said circumferential end.

6. The molding mold according to Claim 5, wherein said height in said circular area is substantially linearly reduced at a first gradient, and said height from said substantially intermediate portion to said circumferential end is substantially linearly reduced at a second gradient being more gentle than said first gradient.

7. The molding mold according to Claim 6, wherein a difference between height at said root end and height when extended to said base portion at said second gradient is within a range of 10 to 100 μm .

8. The molding mold according to Claim 6, wherein a difference between height at said root end and height when extended to said base portion at said second gradient is within a range of 30 to 60 μm .

9. A molding method of molding a flange configuration using the molding mold according to any one of Claims 1, 2 or 5.

10. A tape cartridge, comprising:
a case;
a reel hub portion molded using the molding mold according to any one of Claims 1, 2 or 5 and rotatably accommodated in said case; and

a tape-shaped recording medium wound around a hub of said reel hub portion;

wherein said reel hub portion has a pair of flanges and said hub, and has said insert portion at an opposite
5 side of said hub.

11. The tape cartridge according to Claim 10, wherein a gradient of an inner surface of said flange molded in a molding surface of said flange forming portion is formed so as to
10 be substantially linearly reduced from said root end of said hub to said circumferential end of said flange.